B400C

User Manual

July 25, 08

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1. PACKAGE CONTENT

1. B400C
2. User Manual
3. Remote Control
4. S-Video Cable
5. Audio Cable
6. USB Cable
7. Power Adapter (DC 5V, 2A)
8. Schedule Software (optional)
9. IR Cable (optional)
10. PIR Sensor & Cable (optional)
11. Laser Scanner & Cable (optional)

2. INTRODUCTION

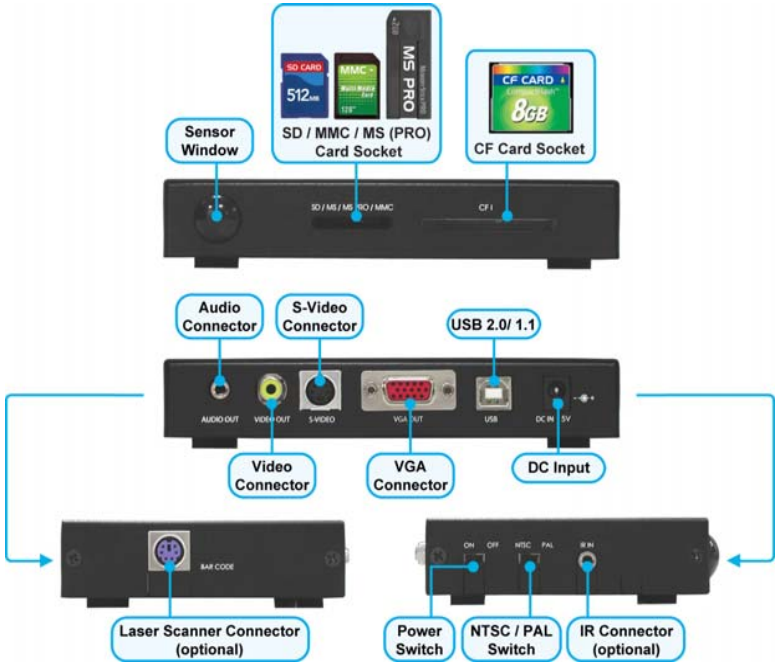
The B400C is a palm-size digital player that plays picture, music and video without a computer. It uses media files from CF, SD, MMC, MS (Pro) memory card. By connecting Video, S-Video, VGA and Audio, you can play media files on any display device. What's more, the B400C supports PIR Sensor and Laser Scanner connectors (optional).

By connecting the USB 2.0/1.1 bus interface, you can download/ upload media files between PC and the memory card. With the portable The B400C, you can play the shows on TV or any big screen for advertising, presentations, training, and other media applications.

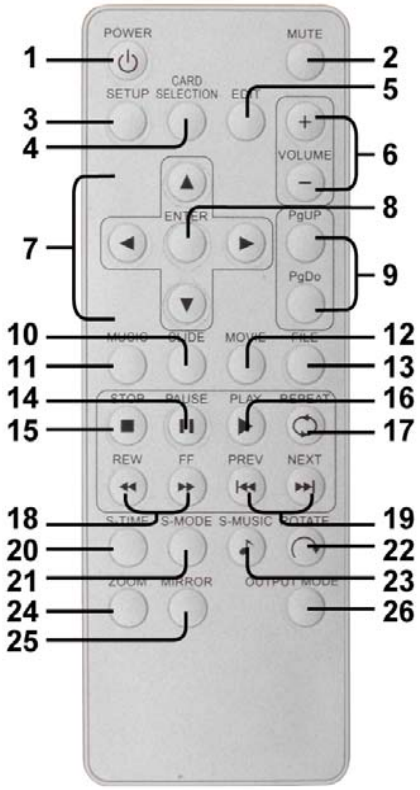
3. FEATURES

- Supports multiple file formats：Music, Picture and Movie.
- Supports CF, SD, MMC and MS (Pro) memory card.
- Supports Video, S-Video, VGA (640x480) and Audio output.
- Supports USB 2.0/ 1.1 interface.
- Supports Laser Scanner and PIR Sensor connectors (optional).
- Supports NTSC and PAL format.
- Includes a full-function infrared remote control.
- Multi-Language OSD：English, French, German, Italian, Portuguese, Spanish, Netherlands, Japanese and Chinese.
- Supports SLIDE SHOW Function: With 14 kinds of transition effects.
- Supports SLIDE TIME (INTERVAL) Mode：Interval time with 1, 3, 5, 10, 30, 60 seconds.
- Supports MUSIC SLIDE Show：Music and pictures play at the same time.
- Supports ZOOM IN (ON) 4x & PAN, ROTATE, MIRROR, PREVIEW and REPEAT.

4. HARDWARE OVERVIEW



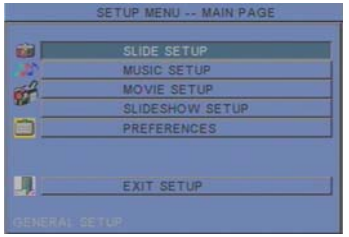
5. REMOTE CONTROL



1 Power on/ off
2 Mute sound
3 Open the setup menu
4 Memory card selection
5 Show information of the file selected
Timer Setup (only for timer function)
6 Volume up/ down
7 Move the cursor
8 Confirm the selection/ entry
9 Go to the previous/ next page or image
10 Display all photo files
11 Display all music files
12 Display all movie files
13 Go to file library (all files)
14 Pause/ resume playback
15 Stop playback
16 Play the selected file
17 Select the repeat mode
18 Rewind/ forward movies
19 View the previous/ next file
Play the previous/ next file if in playback
20 Set the slideshow interval to 1, 3, 5, 10, 30, 60 seconds
21 Set the transition effect
22 Rotate photo 90 degrees clockwise on the screen
23 Play music and pictures at the same time
24 Zoom in the image up to 4x magnification
25 Mirror the image horizontally
26 Select the output mode

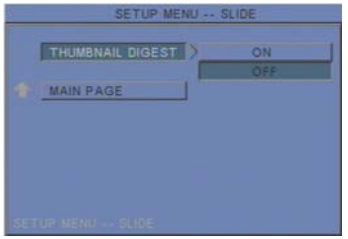
6. SETTING UP

- Press the “SETUP” button on the remote control to open the “SETUP MENU – MAIN PAGE” shown in the following figure. There are five groups of sub-menu in the setup menu.
- Use the “▲、▼、◄、►” buttons to select an item or to adjust values, and use the “ENTER” button to go into the function or to confirm the command.



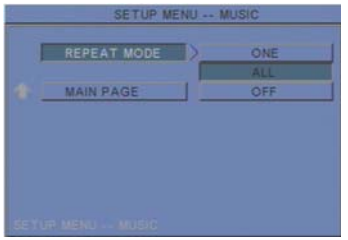
6.1 SLIDE SETUP

- **THUMBNAIL DIGEST**：Thumbnails load faster and allow you to browse photos easily.



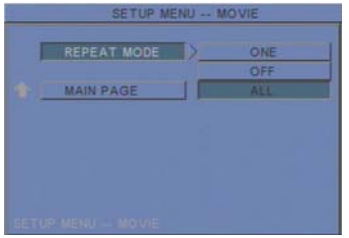
6.2 MUSIC SETUP

- **REPEAT MODE**
  - **ONE**：Repeat the selected song.
  - **ALL**：Repeat all the songs on the memory card.
  - **OFF**：Turn off the repeat function.



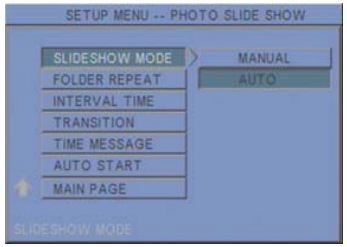
6.3 MOVIE SETUP

- **REPEAT MODE**
  - **ONE**：Repeat the selected movie.
  - **OFF**：Turn off the repeat function.
  - **ALL**：Plays all the movies on the memory card.



6.4 SLIDESHOW SETUP

- **SLIDESHOW MODE**：Set the slideshow to start automatically.
- **FOLDER REPEAT**：Set all files (picture, music or movie) in the folder to show only once or continuously (loop).
- **INTERVAL TIME**：Set the time each photo is shown to 1, 3, 5, 10, 30 or 60 seconds.
- **TRANSITION (EFFECT)**：Set the transition effect and auto slide with sequential or random playback.



- **TIME MESSAGE (only for timer function)**：Set the time message is shown on the screen.
- **AUTO START**：Enable/ disable auto playing media files on the memory card when the device is turned on.

6.5 PREFERENCE

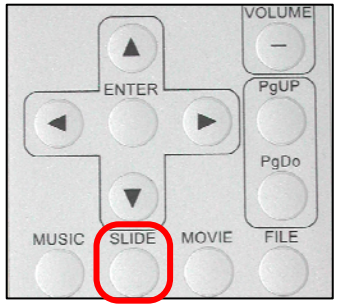
- **OSD LANG:** Select the OSD language (ENGLISH, FRENCH, GERMAN, ITALIAN, JAPANESE, PORTUGUESE, SPANISH and NEDERLANDS).
- **OSD MESSAGE:** Turn the OSD message function on/ off.
- **RESET:** Reset all settings to the original (factory) settings.
- **FIRMWARE :** New F/W can upgraded from the memory card.
  - **EDITION :** Show the F/W versions.
  - **UPDATE :** Used to update the F/W.

7. USING THE B400C

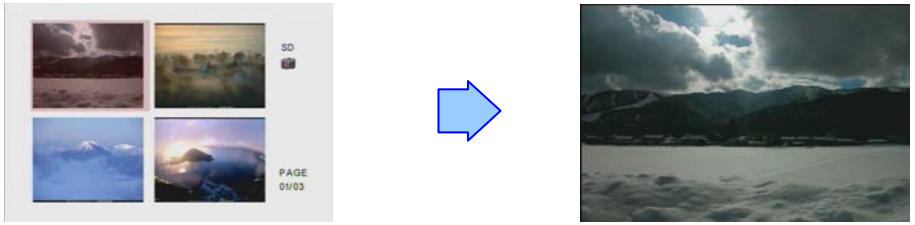
Copy files (music, picture and movie) to the memory card first.

7.1 PLAY PICTURE FILE

Step 1: Press the “SLIDE” button on the remote control from any menu.



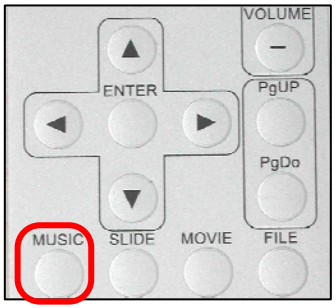
Step 2: The preview mode will show all the picture files on the memory card.
Use the “▲、▼、◄、►” buttons to select the picture file, and press the “ENTER” button to play the picture file.



Step 3: If the “SLIDESHOW MODE” is disabled, press the “NEXT” button to play the next picture file, the “PREV” button to play the previous file.

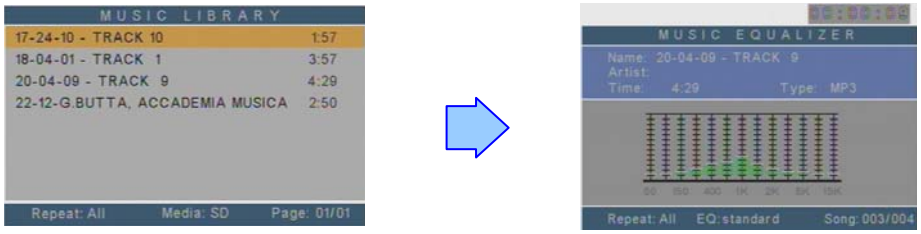
7.2 PLAY MUSIC FILE

Step 1: Press the “MUSIC” button on the remote control from any menu.



Step 2: The “MUSIC LIBRARY” will show all the music files on the memory card.

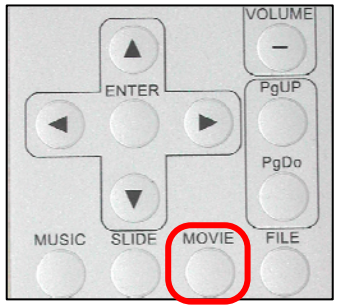
Use the “▲、▼” buttons to select the music file, and press the “ENTER” button to play the music file.



Step 3: Press the “NEXT” button to play the next music file, the “PREV” button to play the previous file.

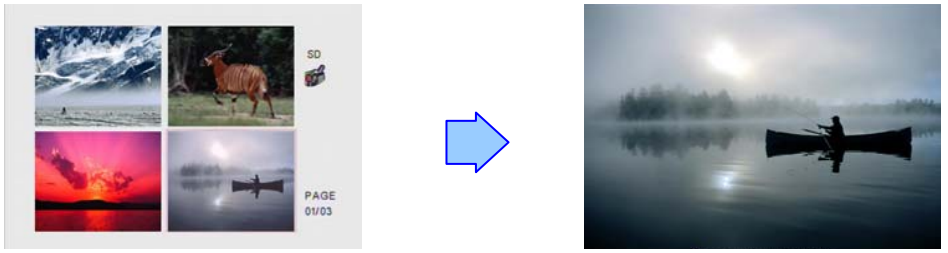
7.3 PLAY MOVIE FILE

Step 1: Press the “MOVIE” button on the remote control from any menu.



Step 2: The preview mode will show all the video files on the memory card.

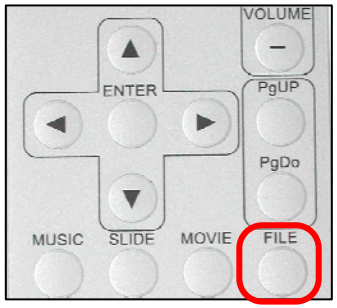
Use the “▲、▼、◄、►” buttons to select the movie file, and press the “ENTER” button to play the movie file.



Step 3： Press the “NEXT” button to play the next movie file, the “PREV” button to play the previous file.

7.4 FILE LIBRARY

Step 1：Press the “FILE” button on the remote control from any menu.

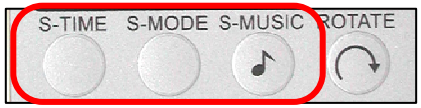


Step 2：You can see all the files (including picture, music and movie) on the left panel of the “FILE LIBRARY”. Press the “▲、▼” buttons to select a file, and the information of the file will be shown on the right panel.

7.5 HOT KEY

You can use the “S-TIME”, “S-MODE” or “S-MUSIC” hot key on the remote control without selecting from the “Setup Menu”. (These functions are only used for playing picture files.)

- **S-TIME**：Interval time with 1, 3, 5, 10, 30, 60 seconds.
- **S-MODE**：With sequential, random auto slide shows etc 14 kind of selections
- **S-MUSIC**：Play the picture and music files at the same time.



8. OPTIONAL FUNCTION

8.1 WORKS WITH TIMER FUNCTION ONLY

- The B400C will power on/ off automatically at the designated time.
- Press the “EDIT” button on remote control to open the timer setup window.
  - Use the Left and Right buttons on the remote control to select each item.
  - Use the Up and Down buttons on the remote control to change the value.
  - Press EDIT button on remote control to save and quit the timer setup screen.
- Timer Setup Window
  - Time : The current time(format: hour : minute : second)
    - Power On Time: Set the time of auto power on.
    - Power Off Time: Set the time of auto power off.

Time and Timer Setup
Time Setup
Time : 08 : 37 : 08
Timer Setup
Power On Time : 08 : 30 : 00 On
Power Off Time : 17 : 30 : 00 Off
[EDIT]:Save and Exit

8.2 WORKS WITH TIMER & SCHEDULE FUNCTIONS

- Timer Function: The B400C will power on/ off automatically at the designated time.
- Schedule Function: The B400C will auto play the designated file at the specify date.

8.2.1 TIMER SETUP

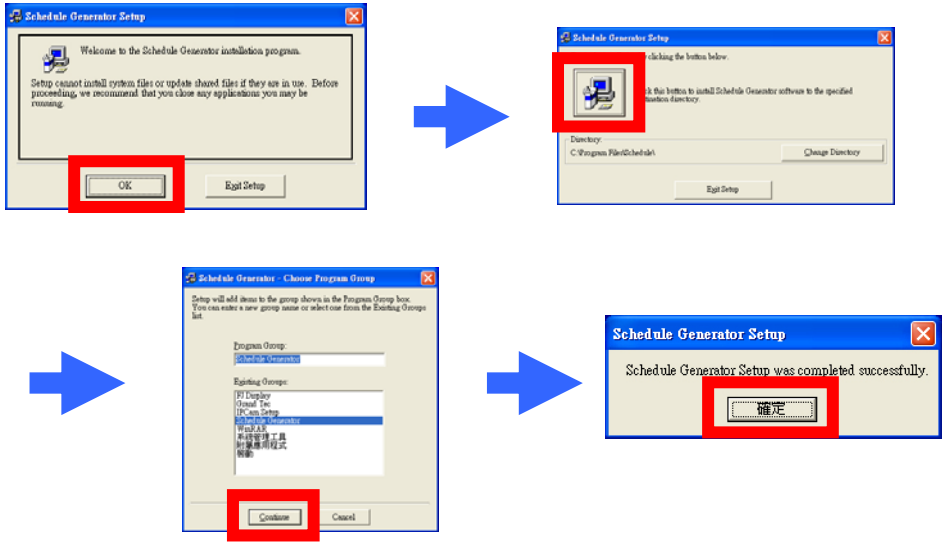
- Press the “EDIT” button on remote control to open the timer setup window.
  - Use the Left and Right buttons on the remote control to select each item.
  - Use the Up and Down buttons on the remote control to change the value.
  - Press EDIT button on remote control to save and quit the timer setup screen.
- “Date / Time and Timer Setup” Window
  - Date/ Time Setup: Set the current date (year/ month/ day) and time (hour/ minute/ second)
  - Timer Setup:
    - Power On Time: Set the time of auto power on.
    - Power Off Time: Set the time of auto power off.

Date/Time and Timer Setup
Date/Time Setup
Date : 2000 / 01 / 01
Time : 00 : 22 : 44
Timer Setup
Power On Time : 00 : 00 : 00 Off
Power Off Time : 00 : 00 : 00 Off
[EDIT]:Save and Exit

8.2.2 SCHEDULE SETUP

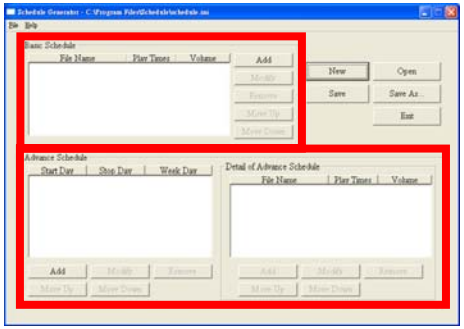
8.2.2.1 INSTALL THE SCHEDULE SOFTWARE

Execute “setup.exe” to install the Schedule software in the CD driver, and finish the installation procedure in accordance with the illustration below.



8.2.2.2 SET UP THE SCHEDULE SOFTWARE

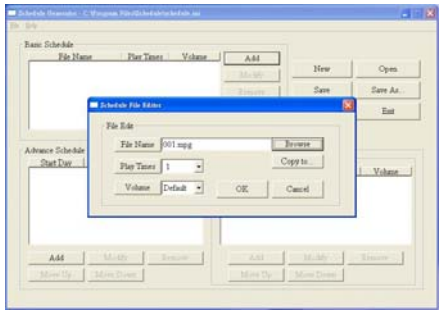
- Execute the program “Schedule Generator” to open the “Schedule Generator” window on your PC.
  <Start> → <Programs> → <Schedule Generator> → <Schedule Generator>
- There are two parts: “Basic Schedule” and “Advance Schedule” in the window.



A. Basic Schedule

In the “Basic Schedule” mode, you can select files that you want to play and set up the volume and the play times of each file.

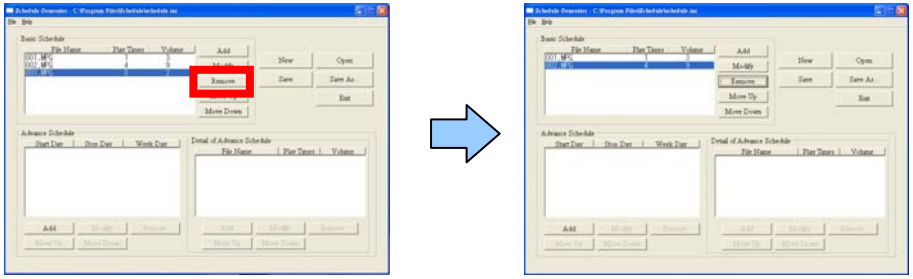
- **Add**：Click this button to add a file. The following diagram appears：
  - Click the “Browser” button to search for files that you want to add. You can also set up the “Play Times” and “Volume” of the file in the window. Click the “OK” button to complete the setup.
  - Click the “Add” button again to add other file.
  - COPY Function：Click the “Copy to…” button to copy directly the added file to the memory card.



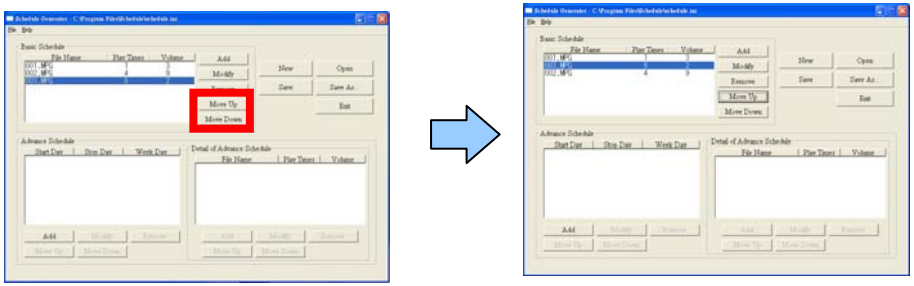
- **Modify**：Click this button to modify the file in the list.
  - Select the file that you want to modify in the list, and press the “Modify” button.

■ **Remove**：Click this button to remove the file from the list.

- Select the file that you want to remove from the list, and press the “Remove” button to delete.



■ **Move Up / Move Down**：Click these buttons to change the order that the files are played.

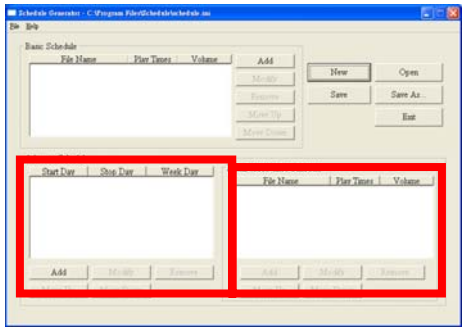


■ After the setup, press the “SAVE” button, and a pop-up window will appear. Select the path, then click the “SAVE” button to save your setup.

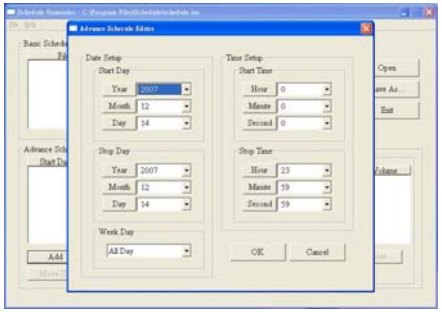
NOTE：Do not rename the file (schedule.ini), otherwise the B400C will not be able to read the file.

B. Advance Schedule

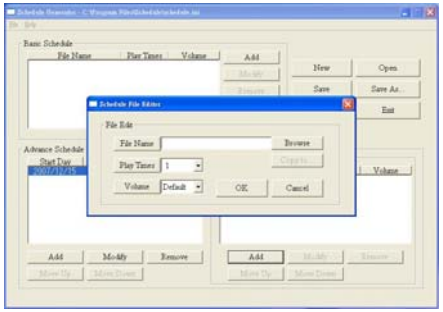
In the “Advance Schedule” mode, you can select files that you want to play, and can also set up the volume, the play times, and the initial and end time of each file. There are “Time Setup “ and “File Setup” in the “Advance Schedule”.



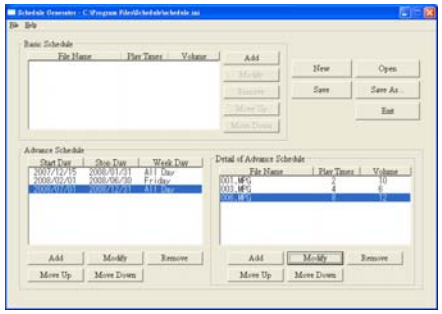
Step 1：Click the “Add” button in the “Time Setup” section to open the “Advance Schedule Editor” window. Set up the Start and Stop Date, Start and Stop Time and the Week Day, then click “OK” to quit the window.



Step 2：Click the “Add” button in the “File Setup” section to open the “Schedule File Editor” window. Click the “Browser” button to select a file that you want to play. You can also set up the “Play Times” and “Volume” of the file in the window. Click the “OK” button to complete the setup.



Step 3：Repeat the steps 1～2 to add other files.



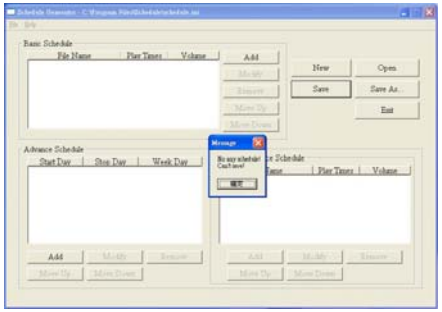
Step 4：After finishing all setup, press the “SAVE” button, and a pop-up window will appear. Select the path, then click the “SAVE” button to save.

NOTE：Do not rename the file (schedule.ini), otherwise the B400C will not be able to read the file.

8.2.2.3 Explanation of the Warning Message

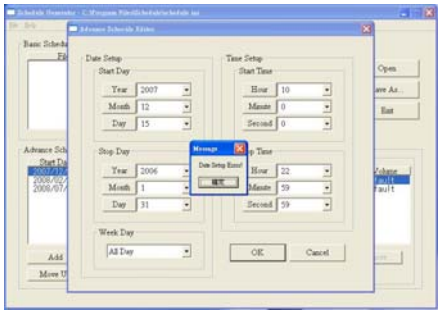
■ **No any schedule！Can’t Save！**

There is no schedule file in the “Basic Schedule” or “Advance Schedule” can be saved. Please add and edit a new schedule file first.



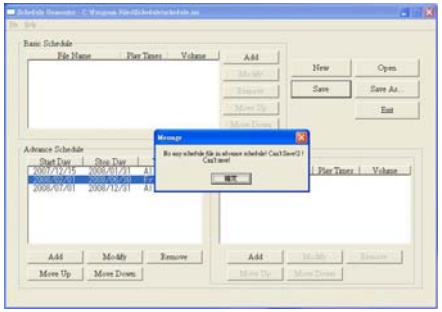
■ **Date Setup Error！**

There are some errors in the “Advance Schedule”. Check the date/ time of the schedule for conflict or error.



■ **No any schedule file in advance schedule！Can’t Save！**

There is no schedule file in the advance schedule. Please add files that you want to play in the advance schedule.



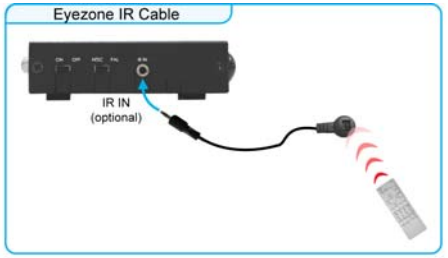
8.2.2.4 APPLY THE SCHEDULE ON THE B400C

Put the “schedule.ini” file and the associated media files on the memory card, and insert the memory card to the B400C. The B400C will auto play the files at the designated time.

9. OPTIONAL AUXILIARY EQUIPMENT

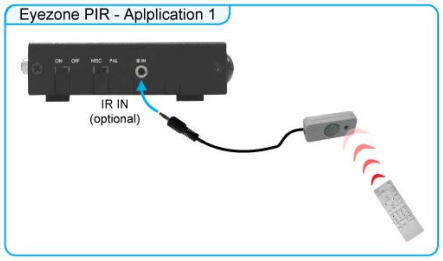
9.1 IR CABLE

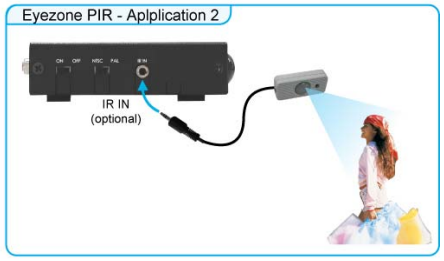
The IR cable is an external remote control receiver.



9.2 PIR SENSOR

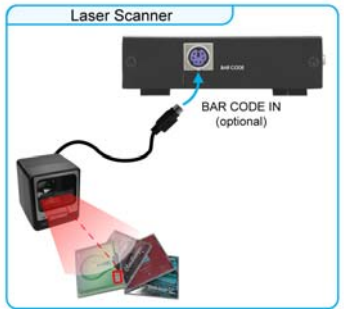
- **Application 1:** The PIR is an external remote control receiver.
- **Application 2:** The PIR is a motion detector.





9.3 LASER SCANNER

- With the laser scanner, the B400C will play the corresponding file (up to 1000 files) automatically when scan the bar-code.
- Performs 5 directions of scan filed with a 20 line scan pattern cycling at 1200 scan per second for quick accurate reads.



9.3 LASER SCANNER (Continued)

- Supports Bar-Code Type

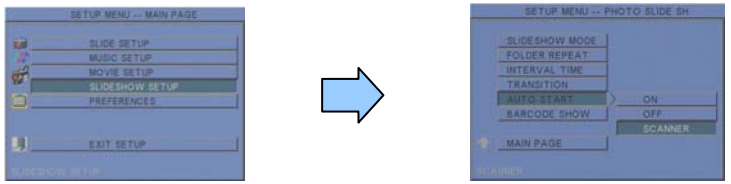
UPC / EAN/ JAN	**Japanese Bookland**	**Interleaved 2 of 5**
UPC A & UPC E	**Code 39**	**Addendum 2 of 5**
EAN 8 & EAN 13	**Codabar**	**MSI / Plessy**
JAN 8 & JAN 13	**Code 128 & EAN 128**	**China Postal Code**
ISBN / ISSN	**Code 93**	**Code 32**

9.3.1 Using the Laser Scanner

- Copy the media files that you want play to the memory card. The Bar-code and the name of the corresponding file must be the same.

For example：Bar-code is 1234567, and names the corresponding file “1234567.xxx”. (xxx is the extension)

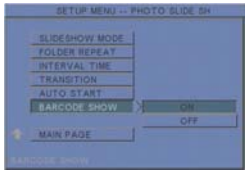
- Make sure the “SCANNER” function is enabled first.
  “SLIDESHOW SETUP” → “AUTO START” → “SCANNER”



- Use the laser scanner to scan the bar-code, and the B400C will find out and play the corresponding file in the memory card automatically on the screen.

NOTE：Keep 5 to 10 centimeters of distances between scanner and bar-code.

- **BARCODE SHOW:** Show the bar code on the screen when scanning.



- If the B400C can’t find the corresponding file, the message “NO FILE” will be showed on the screen.
- If the message “READ AGAIN” will be showed on the screen, please scan again.

9.3.2 Set the Laser Scanner

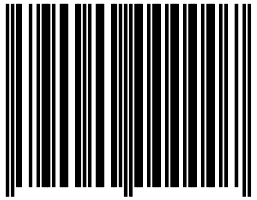
Please follow the step below to change the scanner setting.

Step1. Scan Enter/ Exit programming mode barcode (2 beeps Low—high).

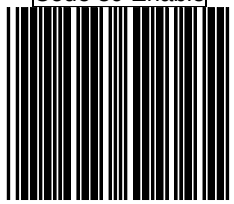
Step2. Scan barcode for the desired feature (1beep).

Step3. Scan Enter/ Exit programming mode barcode to save the configuration (2 beeps, long---short).

Enter/Exit Programming Mode



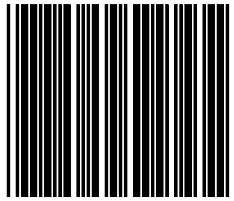
Code 39 Enable



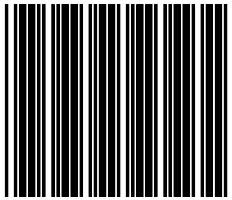
All framed barcode names represent

as default settings.

Code 39 Disable

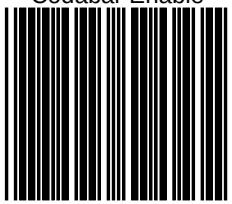


RESET

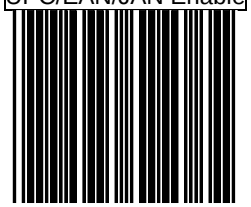


※ The reading of the “RESET” label turns all the parameters back to default values.

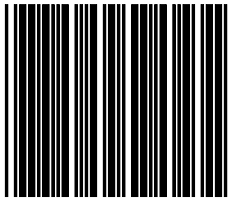
Codabar Enable



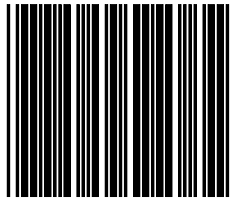
UPC/EAN/JAN Enable



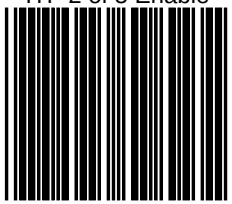
Codabar Disable



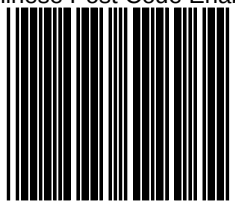
UPC/EAN/JAN Disable



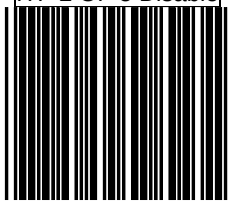
ITF 2 of 5 Enable



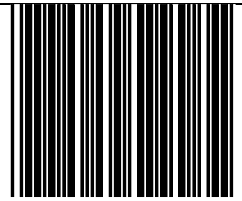
Chinese Post Code Enable

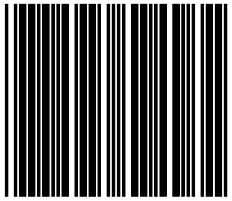


ITF 2 OF 5 Disable

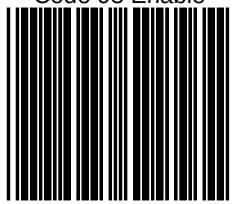


Chinese Post Code Disable

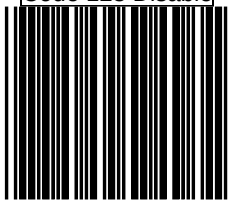




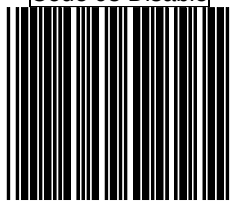
Code 93 Enable



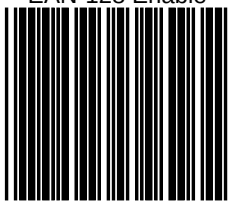
Code 128 Disable



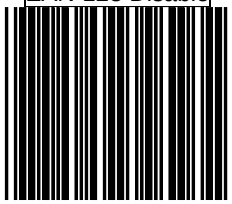
Code 93 Disable



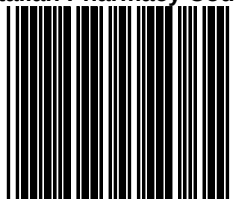
EAN-128 Enable



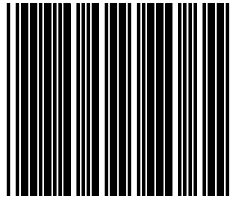
EAN-128 Disable



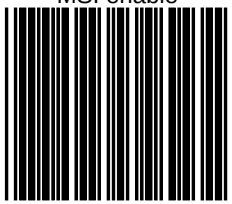
Code 32 Enable
(Italian Pharmacy Code)



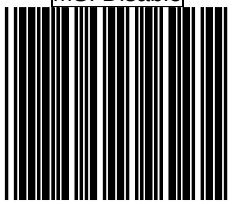
Code 32 Disable
(Italian Pharmacy Code)



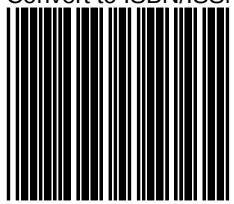
MSI enable



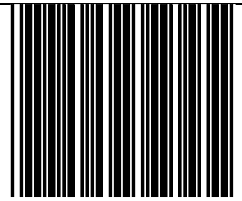
MSI Disable



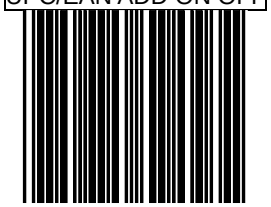
EAN-13 Convert to ISBN/ISSN Enable



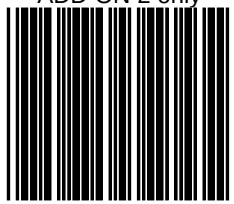
EAN-13 Convert to ISBN/ISSN Disable



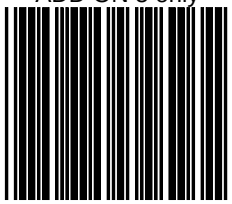
UPC/EAN ADD ON OFF



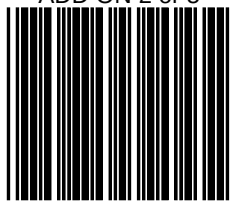
ADD ON 2 only



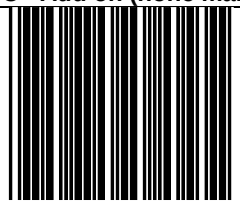
ADD ON 5 only



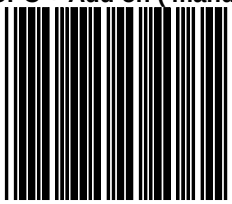
ADD ON 2 or 5



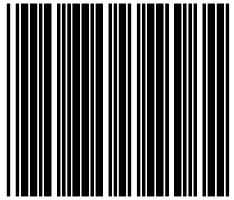
EAN/UPC +Add on (none mandatory)



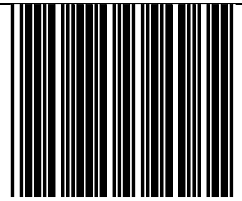
EAN/UPC + Add on (mandatory)



Force UPC-A to EAN-13 format enable



Force UPC-A to EAN-13 format disable



10. TROUBLESHOOTING

Situation	Check Point
No Picture	1. Check if the power supply is connected. 2. Make sure the B400C is turned on.
No response from the remote control	1. Make sure there is a clear view between the remote control and the device. 2. Change the remote control's batteries.
Memory card	1. Push cards gently and securely. 2. If the card does not insert easily, check the direction. 3. Confirm format of the card. The B400C supports CF, SD, MMC and MS (Pro) memory card.
No sound	1. Check if the mute function is on. 2. Check if the volume is turned up.
Timer inaccuracy (optional)	1. Press "EDIT" key to open the timer setup window, confirm whether time is correct. 2. If using the "Timer Function", it is suggested to check whether the time is correct every three months.
The Laser Scanner is on, but cannot read bar-codes (optional).	1. The scanner window is dirty and must be cleaned. 2. The presented barcode type is not enabled. (refer to 9.3) 3. The barcode type presented is not supported.